

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/09/2020 10:15 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125747	0	1.77	125788	1.73
Blue	F	SSC	125000	124641	-1	1.66	125379	1.62
Blue	E	FITC	15892	15532	-3	2.79	339	20.45
Blue	D	PE	29999	29562	-2	1.92	644	14.79
Blue	B	PerCP-Cy5-5	43732	43285	-2	3.72	1161	20.51
Blue	A	PE-Cy7	30845	30747	-1	6.02	587	40.94
Red	C	APC	46112	45439	-2	2.50	1603	12.26
Red	A	APC-Cy7	30458	29994	-2	2.41	796	11.78
Violet	B	V450	7918	7579	-5	4.33	424	13.25
Violet	A	V500	32171	30800	-5	4.01	717	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17736	9.29	623	2	N/A	N/A	Pass
Blue	F	SSC	56833	1.18	563	4	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0185	81	Pass
Blue	D	PE	135	49.42	549	1	0.1600	263	Pass
Blue	B	PerCP-Cy5-5	213	50.77	657	1	0.0090	70	Pass
Blue	A	PE-Cy7	109	100.82	700	2	0.0108	14	Pass
Red	C	APC	382	25.48	588	4	0.0238	137	Pass
Red	A	APC-Cy7	175	28.24	560	4	0.0057	940	Pass
Violet	B	V450	65	60.23	459	1	0.0522	2177	Pass
Violet	A	V500	107	33.89	475	1	0.0240	854	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.97	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	15.87	13.60 - 20.40	N/A	N/A	29.51	29.90	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10439

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments